

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0019</b>	Overall LMA Rating	Total LMA Miles				
<b>Tehama County Flood Control and Water Conservation District</b>	<b>M</b>	<b>13.64</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.67		0.67	4.91%		
Encroachments	0.18		0.18	1.32%	0.28	
Animal Control	0.03		0.03	0.22%		
Slope Stability	0.30		0.30	2.20%		
Erosion / Bank Caving	0.02		0.02	0.15%		
Crown Surface / Depressions / Rutting	0.22		0.22	1.61%		
<i>Supplemental</i>						
USACE Erosion Survey	0.32		0.32	2.35%		
<b>LMA Totals:</b>	<b>1.74</b>	<b>0.00</b>	<b>1.74</b>	<b>12.76%</b>	<b>0.28</b>	<b>0.00</b>

<b>Unit No. 01 Deer Creek LB</b>	Overall Unit Rating	Total Unit Miles				
<b>NA0019</b>	<b>A</b>	<b>4.11</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.10		0.10	2.43%	0.21	
Slope Stability	0.12		0.12	2.92%		
Erosion / Bank Caving	0.01		0.01	0.24%		
<i>Supplemental</i>						
USACE Erosion Survey	0.02		0.02	0.49%		
<b>Unit Totals:</b>	<b>0.25</b>	<b>0.00</b>	<b>0.25</b>	<b>6.08%</b>	<b>0.21</b>	<b>0.00</b>

<b>Unit No. 02 Deer Creek RB</b>	Overall Unit Rating	Total Unit Miles				
<b>NA0019</b>	<b>M</b>	<b>1.50</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.04		0.04	2.67%	0.01	
<i>Supplemental</i>						
USACE Erosion Survey	0.15		0.15	10.00%		
<b>Unit Totals:</b>	<b>0.19</b>	<b>0.00</b>	<b>0.19</b>	<b>12.67%</b>	<b>0.01</b>	<b>0.00</b>

<b>Unit No. 04 Elder Creek LB</b>	Overall Unit Rating	Total Unit Miles				
<b>NA0019</b>	<b>M</b>	<b>4.07</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.05		0.05	1.23%		
Encroachments	0.03		0.03	0.74%		
Animal Control	0.01		0.01	0.25%		
Slope Stability	0.18		0.18	4.42%		
Crown Surface / Depressions / Rutting	0.22		0.22	5.41%		
<i>Supplemental</i>						
USACE Erosion Survey	0.13		0.13	3.19%		
<b>Unit Totals:</b>	<b>0.62</b>	<b>0.00</b>	<b>0.62</b>	<b>15.23%</b>	<b>0.00</b>	<b>0.00</b>

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**Overall LMA & Unit Ratings, including USACE Erosion Survey**

***Sacramento River Basin (cont.)***

Unit No. 05 Elder Creek RB	Overall Unit Rating	Total Unit Miles				
NA0019	<b>M</b>	<b>3.96</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.62		0.62	15.66%		
Encroachments	0.01		0.01	0.25%	0.06	
Animal Control	0.02		0.02	0.51%		
Erosion / Bank Caving	0.01		0.01	0.25%		
<i>Supplemental</i>						
USACE Erosion Survey	0.02		0.02	0.51%		
<i>Unit Totals:</i>	0.68	0.00	0.68	17.17%	0.06	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2011 Levee Inspection Results**

**Tehama County Flood Control and Water Conservation District**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Tehama County Flood Control and Water Conservation District**

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/8/2011 - 3/8/2011		10/25/2011 - 10/25/2011	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehame Co.		Brandon Konicke Tehame Co.	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Deer Creek						Left	4.11	10/25/2011 10/25/2011	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	2.04	2.23	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.968387 ° -122.016387 °	39.966968 ° -122.019372 °	2 Y
2	2.50	2.58	Earthen Levee	Slope Stability	CR	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.967016 ° -122.024068 °	39.966455 ° -122.025531 °	7
3	2.72	2.76	Earthen Levee	Slope Stability	CR	M	Repair the levee slope damaged by foot traffic and prevent access where possible.	39.965434 ° -122.027776 °	39.965180 ° -122.028331 °	8 Y
4	2.79	2.79	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	39.964773 ° -122.029060 °	39.964773 ° -122.029060 °	915 Y
5	2.98	3.00	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding. 2011: New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. [2011 Site ID: DEC_2-4_L]	39.962910 ° -122.031421 °	39.962724 ° -122.031670 °	1 Y
6	3.29	3.38	Earthen Levee	Encroachments	WS	M	Prunings	39.947578 ° -122.048758 °	39.947060 ° -122.050207 °	3 Y
7	3.64	3.64	Earthen Levee	Encroachments	CR	PO	Fences	39.945249 ° -122.053720 °	39.945249 ° -122.053720 °	9 Y
8	3.74	3.74	Earthen Levee	Encroachments	CR	PO	Fences	39.944432 ° -122.054029 °	39.944432 ° -122.054029 °	10 Y
9	3.79	3.79	Earthen Levee	Encroachments	LS	M	Prunings	39.944135 ° -122.054788 °	39.944135 ° -122.054788 °	5

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	2.04
End Levee Mile	2.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove agricultural ditch from toe of levee.	
rduffey_f_20110927_481.jpg	



Levee Mile Report Line	3
Start Levee Mile	2.72
End Levee Mile	2.76
Location	Crown
Category	Earthen Levee
Item	Slope Stability
Erosion on crown and both slopes.	
rduffey_f_20110927_482.jpg	



Levee Mile Report Line	4
Start Levee Mile	2.79
End Levee Mile	2.79
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion along the channel.	
rduffey_f_20110927_485.jpg	

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	2.98
End Levee Mile	3.00
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_DEC\_2-4\_L\_1.jpg



Levee Mile Report Line	5
Start Levee Mile	2.98
End Levee Mile	3.00
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_DEC\_2-4\_L\_2.jpg



Levee Mile Report Line	6
Start Levee Mile	3.29
End Levee Mile	3.38
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of prunings along the W/S slope.

rduffey\_f\_20111128\_518.jpg

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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2011**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	3.64
End Levee Mile	3.64
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the non-permitted gate on the crown of the levee.

rduffey\_f\_20110927\_483.jpg



Levee Mile Report Line	8
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the non-permitted gate on the crown roadway.

rduffey\_f\_20110927\_484.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Tehama County Flood Control and Water Conservation District**

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/8/2011 - 3/8/2011		10/28/2011 - 10/28/2011	
DWR Inspector	Bob Duffey		Bob Duffey	
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**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Deer Creek						Right	1.50	10/28/2011 10/28/2011	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.25	0.25	Earthen Levee	Encroachments	WS	M	Prunings	39.970808 ° -122.013335 °	39.970808 ° -122.013335 °	3 Y
2	0.31	0.31	Earthen Levee	Encroachments	LS	M	Debris	39.970305 ° -122.014465 °	39.970305 ° -122.014465 °	2 Y
3	0.34	0.34	Earthen Levee	Encroachments	WS	M	Debris	39.970210 ° -122.015198 °	39.970210 ° -122.015198 °	4 Y
4	0.36	0.36	Earthen Levee	Encroachments	LS	PO	Buildings	39.970117 ° -122.015365 °	39.970117 ° -122.015365 °	7 Y
5	0.76	0.91	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Banks are composed of lithified cobbly alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011: No observed change. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. [2011 Site ID: DEC_0-9_R]	39.968165 ° -122.023828 °	39.967766 ° -122.024620 °	1 Y
6	1.30	1.30	Earthen Levee	Encroachments	WS	M	Firewood	39.964883 ° -122.030655 °	39.964883 ° -122.030655 °	6 Y

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**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	10/28/2011 10/28/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the prunings along the W/S slope.

rduffey\_f\_20111128\_520.jpg



Levee Mile Report Line	2
Start Levee Mile	0.31
End Levee Mile	0.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of debris & wire at toe of levee.

rduffey\_f\_20110927\_486.jpg



Levee Mile Report Line	3
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the concrete pile along the W/S toe.

rduffey\_f\_20111128\_519.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	10/28/2011 10/28/2011	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of building at toe of levee.

rduffey\_f\_20110927\_488.jpg



Levee Mile Report Line	5
Start Levee Mile	0.76
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_DEC\_0-9\_R\_1.jpg



Levee Mile Report Line	5
Start Levee Mile	0.76
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_DEC\_0-9\_R\_2.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	10/28/2011 10/28/2011	Bob Duffey

Levee Mile Report Line	6
Start Levee Mile	1.30
End Levee Mile	1.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Remove all fire wood.	
rduffey_f_20110927_487.jpg	

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DWR Inspector	Bob Duffey		Bob Duffey	
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**Tehama County Flood Control and Water Conservation District**

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Unit No. 04 Elder Creek	Left	4.07	10/25/2011 10/25/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	1.38	1.51	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011: Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. [2011 Site ID: ELC_1-4_L]	40.051596 ° -122.164179 °	40.051979 ° -122.163106 °	9 Y
2	1.60	1.71	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052607 ° -122.161418 °	40.053558 ° -122.159903 °	3 Y
3	2.00	2.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	40.052610 ° -122.154793 °	40.051990 ° -122.150867 °	8 Y
4	2.32	2.32	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052415 ° -122.149208 °	40.052415 ° -122.149208 °	18 Y
5	2.46	2.46	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052417 ° -122.146747 °	40.052417 ° -122.146747 °	20 Y
6	2.53	2.53	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052872 ° -122.145495 °	40.052872 ° -122.145495 °	2 Y
7	2.66	2.66	Earthen Levee	Encroachments	LS	M	Debris	40.054352 ° -122.144245 °	40.054352 ° -122.144245 °	4 Y
8	2.82	2.85	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.055033 ° -122.141457 °	40.055595 ° -122.141203 °	916 Y
9	3.02	3.02	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.056514 ° -122.139449 °	40.056514 ° -122.139449 °	5 Y
10	3.03	3.03	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.056388 ° -122.139168 °	40.056388 ° -122.139168 °	10 Y
11	3.15	3.15	Earthen Levee	Encroachments	LS	M	Stairways	40.057285 ° -122.137732 °	40.057285 ° -122.137732 °	1 Y
12	3.34	3.34	Earthen Levee	Encroachments	LS	M	Garbage	40.057558 ° -122.134417 °	40.057558 ° -122.134417 °	6 Y
13	3.72	3.77	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	40.055920 ° -122.128948 °	40.055945 ° -122.128310 °	7 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	1.38
End Levee Mile	1.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_ELC\_1-4\_L\_1.jpg



Levee Mile Report Line	1
Start Levee Mile	1.38
End Levee Mile	1.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011\_ELC\_1-4\_L\_2.jpg



Levee Mile Report Line	1
Start Levee Mile	1.38
End Levee Mile	1.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011\_ELC\_1-4\_L\_3.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	1.60
End Levee Mile	1.71
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of vehicle erosion on the crown & both slopes.

rduffey\_f\_20110927\_490.jpg



Levee Mile Report Line	3
Start Levee Mile	2.00
End Levee Mile	2.22
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

View of the crown roadway that needs gravel & grading.

rduffey\_f\_20110927\_492.jpg



Levee Mile Report Line	4
Start Levee Mile	2.32
End Levee Mile	2.32
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey\_f\_20111128\_526.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	2.46
End Levee Mile	2.46
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey\_f\_20111128\_525.jpg



Levee Mile Report Line	6
Start Levee Mile	2.53
End Levee Mile	2.53
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey\_f\_20111128\_524.jpg



Levee Mile Report Line	9
Start Levee Mile	3.02
End Levee Mile	3.02
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the L/S slope.

rduffey\_f\_20111128\_523.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	3.15
End Levee Mile	3.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the concrete stairways on the slope.

rduffey\_f\_20110927\_489.jpg



Levee Mile Report Line	12
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the garbage and metal at the toe of the levee & along the slope of the landside.

rduffey\_f\_20110927\_491.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Tehama County Flood Control and Water Conservation District**

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/8/2011 - 3/8/2011		10/25/2011 - 10/25/2011	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehama Co.		Brandon Konicke Tehama Co.	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 05 Elder Creek						Right	3.96	10/25/2011 10/25/2011	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.81	0.81	Earthen Levee	Encroachments	LS	M	Prunings	40.050683 ° -122.177573 °	40.050683 ° -122.177573 °	1 Y
2	0.96	0.96	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.051425 ° -122.175218 °	40.051425 ° -122.175218 °	4 Y
3	2.57	2.57	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	40.051675 ° -122.148122 °	40.051675 ° -122.148122 °	8 Y
4	2.70	2.76	Earthen Levee	Encroachments	LS	PO	Landscaping	40.051778 ° -122.145745 °	40.052243 ° -122.144825 °	2 Y
5	2.98	3.00	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011: Toe of the bank continues to be undercut. [2011 Site ID: ELC_3-0_R]	40.054730 ° -122.140578 °	40.054970 ° -122.140238 °	3 Y
6	3.13	3.13	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.055632 ° -122.138910 °	40.055607 ° -122.138868 °	11
7	3.37	3.84	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.056831 ° -122.136365 °	40.054862 ° -122.129279 °	9
8	3.45	3.45	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	40.056727 ° -122.134888 °	40.056727 ° -122.134888 °	7 Y
9	3.77	3.91	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	40.056922 ° -122.136365 °	40.054562 ° -122.128345 °	10

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.96	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.81
End Levee Mile	0.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the debris & pruning pile brush next to the toe.

rduffey\_f\_20110927\_493.jpg



Levee Mile Report Line	2
Start Levee Mile	0.96
End Levee Mile	0.96
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the rodent holes along the L/S slope.

rduffey\_f\_20111128\_522.jpg



Levee Mile Report Line	3
Start Levee Mile	2.57
End Levee Mile	2.57
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the bait station next to the squirrel holes on the landside slope.

rduffey\_f\_20110927\_495.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Tehama County Flood Control and Water Conservation District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.96	10/25/2011 10/25/2011	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	2.70
End Levee Mile	2.76
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the landscape along the slope.

rduffey\_f\_20110927\_494.jpg



Levee Mile Report Line	5
Start Levee Mile	2.98
End Levee Mile	3.00
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011\_ELC\_3-0\_R\_1.jpg



Levee Mile Report Line	8
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the erosion along the L/S slope.

rduffey\_f\_20111128\_521.jpg



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